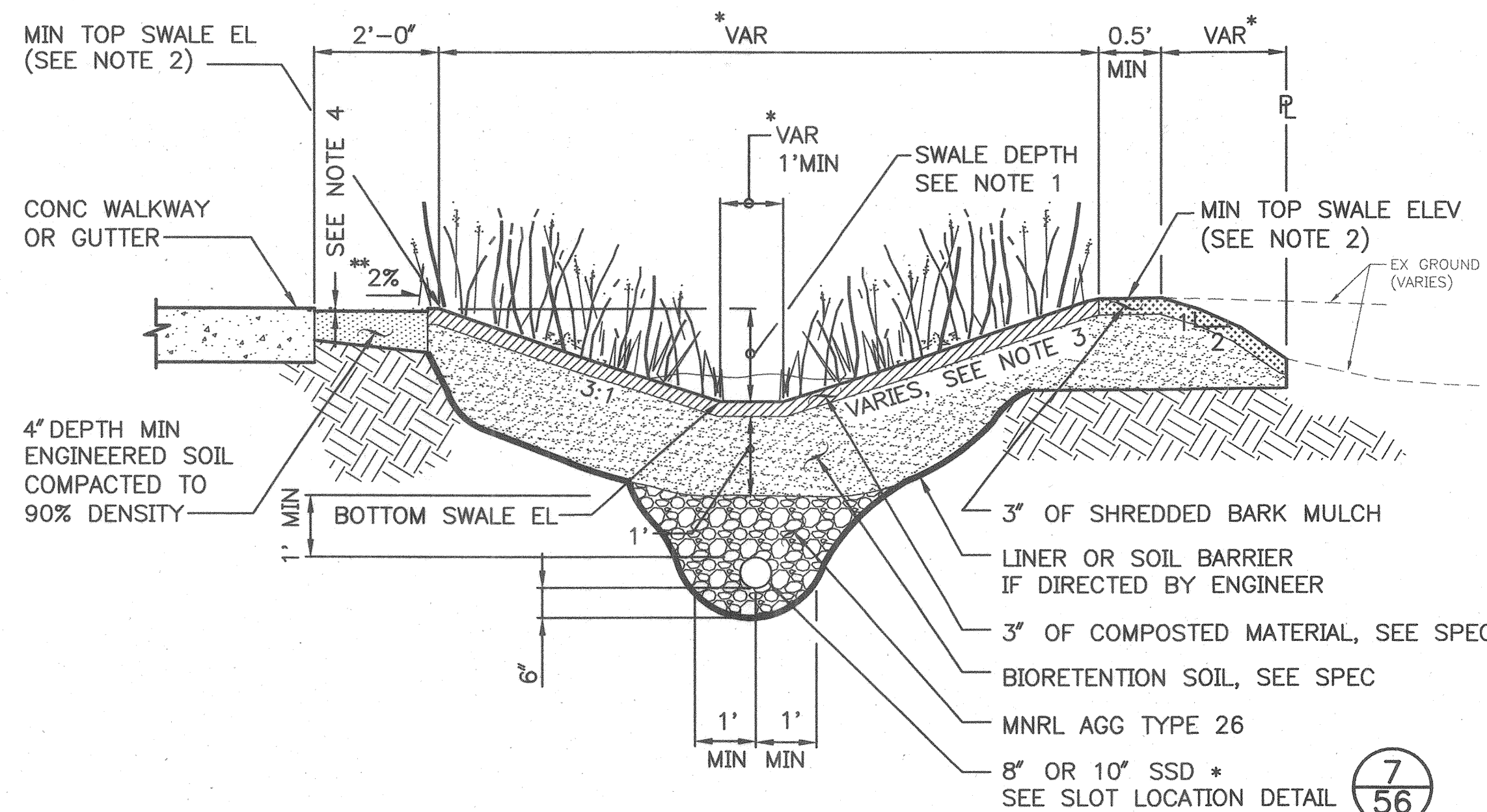
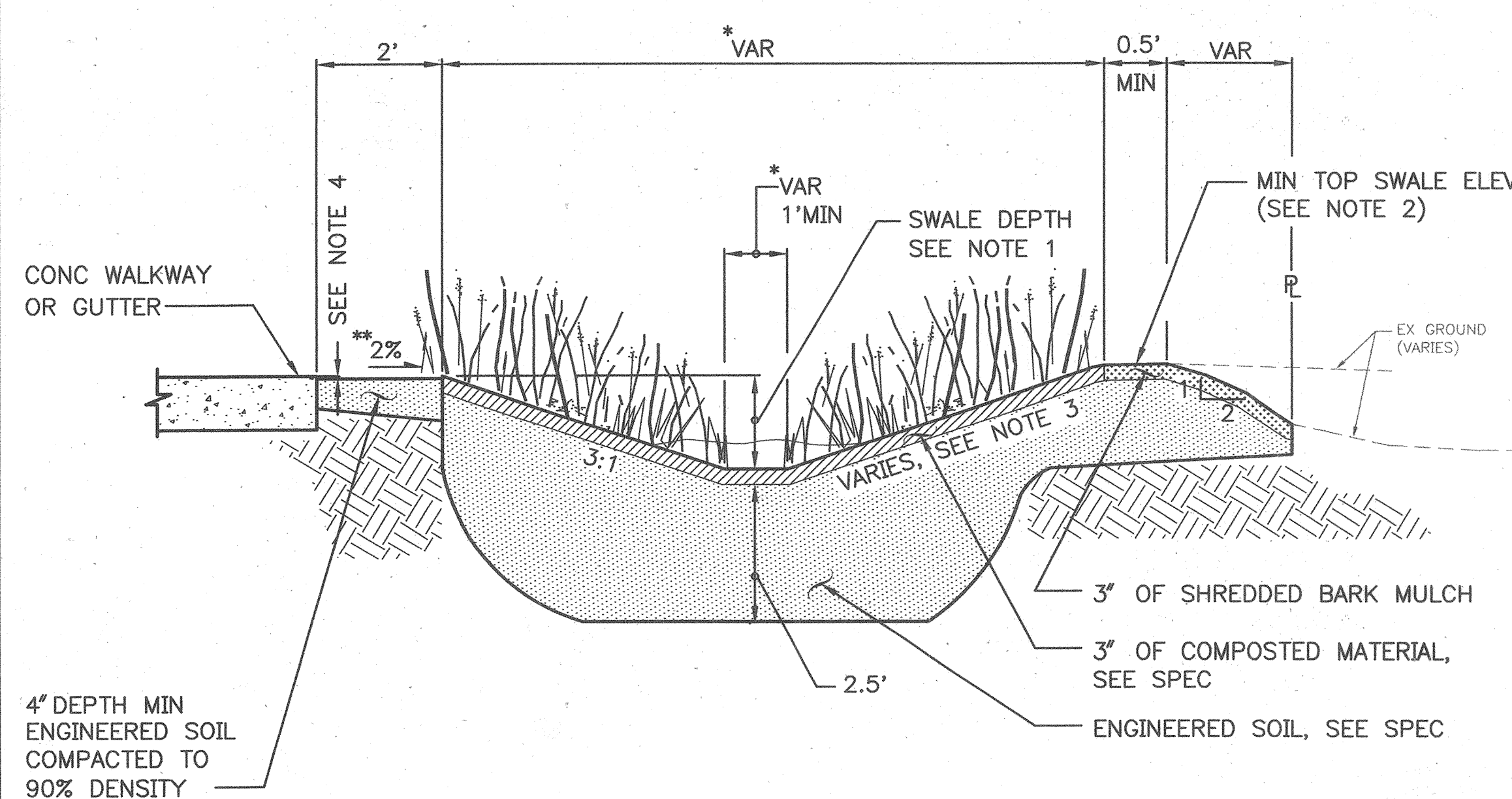


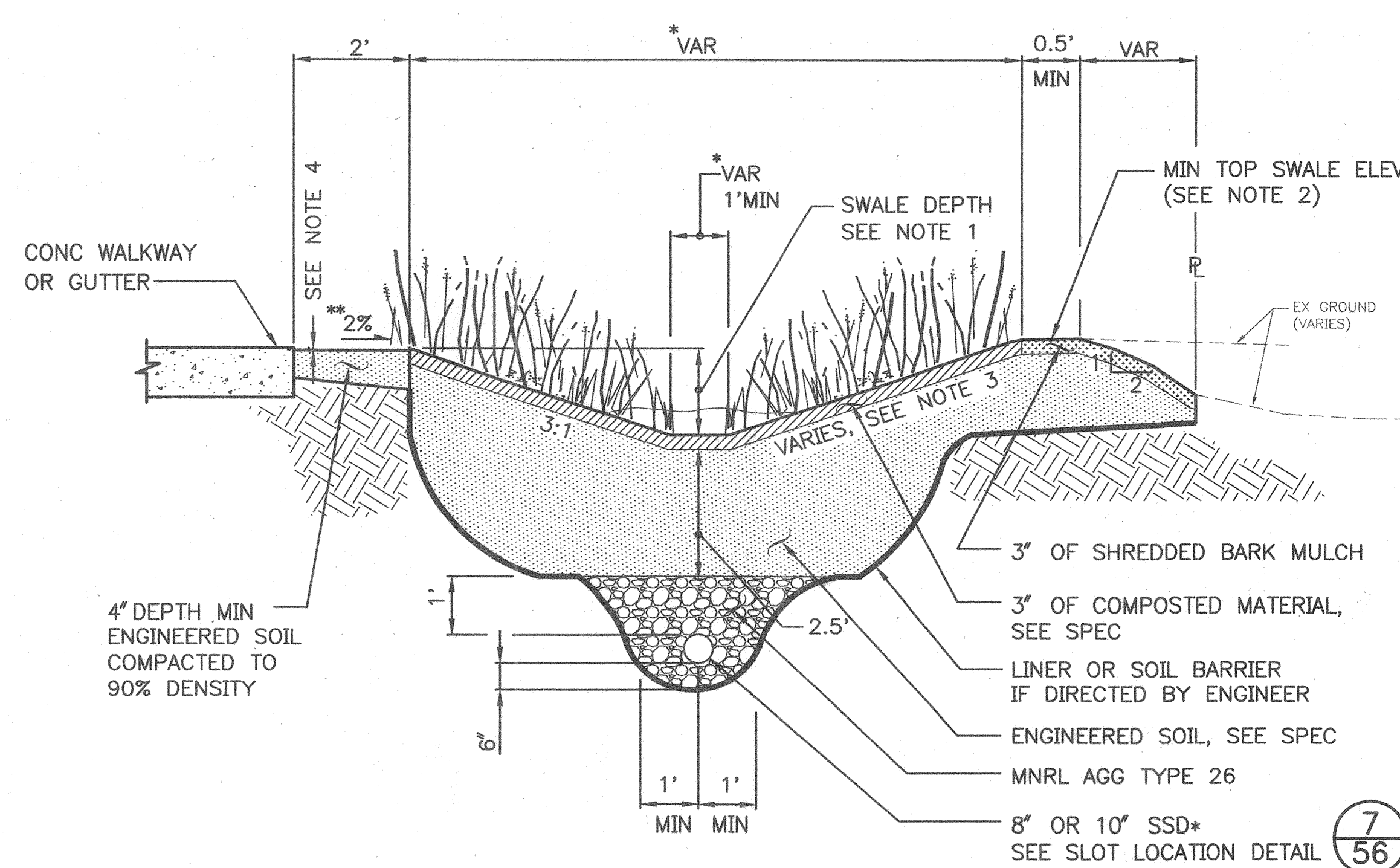
**BIORETENTION SWALE** 1  
SCALE: 1/2" = 1'-0"  
19,27,33,40



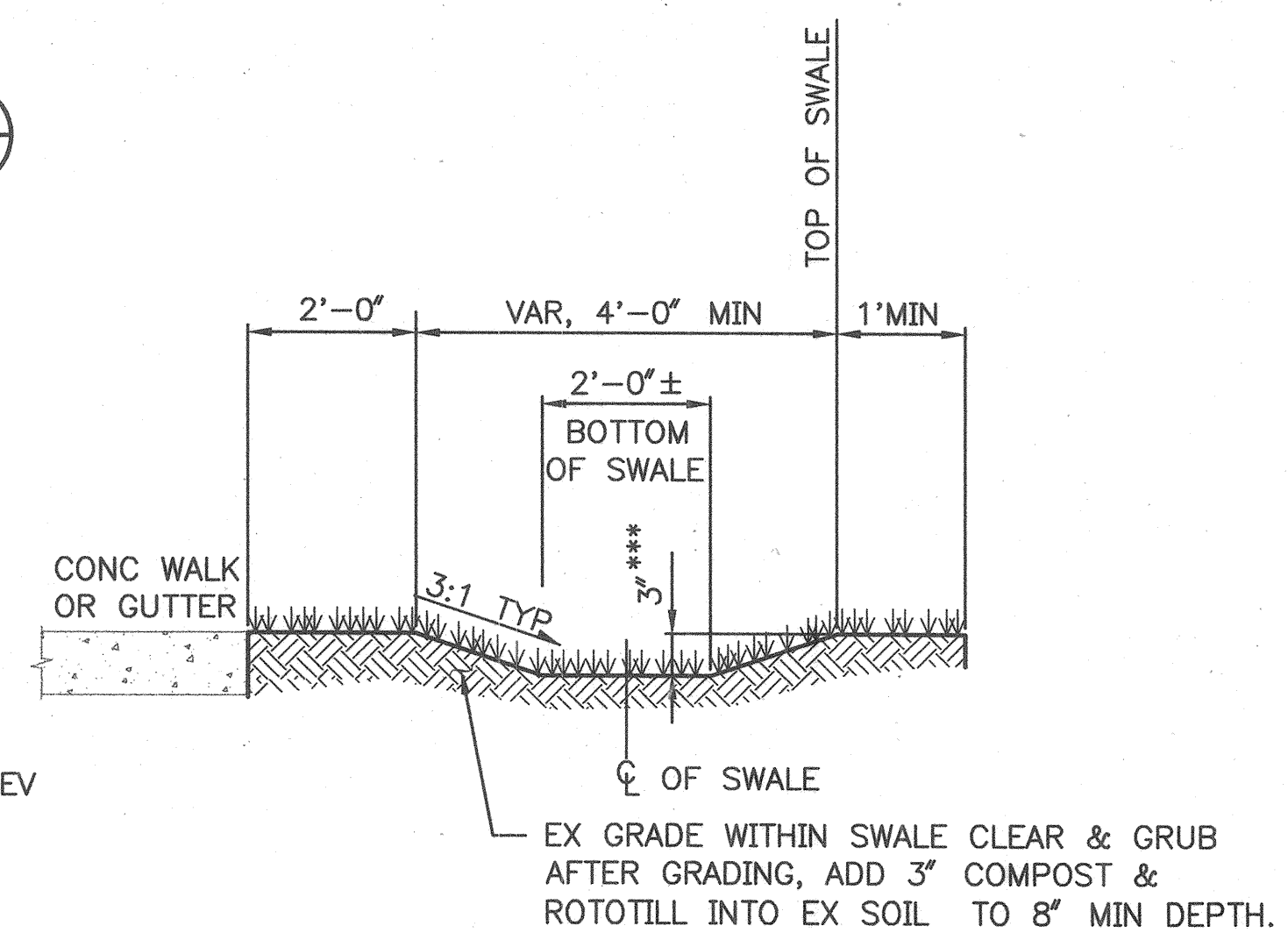
**BIORETENTION SWALE W/ SSD** 2  
SCALE: 1/2" = 1'-0"  
27



**ENGINEERED SOIL SWALE** 3  
SCALE: 1/2" = 1'-0"  
19,27,33



**ENGINEERED SOIL SWALE W/ SSD** 4  
SCALE: 1/2" = 1'-0"  
19,27,33



**CONVEYANCE SWALE** 5  
SCALE: 1/2" = 1'-0"  
19,33

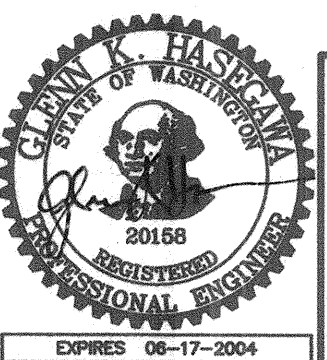
- NOTES:**
- \* SEE PLAN VIEW
  - \*\* WHEN ADJACENT TO EARTH BERM
  - \*\*\* AS MEASURED FROM THE LOWER OF THE TWO ADJACENT TOPS OF SWALE.
  - 1. SWALE DEPTH VARIES 8"-30", SEE PROFILE FOR CRITICAL BOTTOM SWALE EL.
  - 2. CRITICAL MIN TOP SWALE EL IS LOWEST ALLOWABLE ELEVATION SURROUNDING SWALE.
  - 3. 3:1 UNLESS OTHERWISE INDICATED ON PLAN.
  - 4. FINISHED GRADE SHALL BE 0.5" MIN BELOW EDGE OF CONCRETE.

SEA STREET DRAINAGE DETAILS

**BROADVIEW GREEN GRID**  
**4TH AVE NW TO PHINNEY AVE N**

APPROVED FOR ADVERTISING  
KENNETH J. NAKATSU  
DEPARTMENT OF EXECUTIVE ADMINISTRATION  
SEATTLE, WASHINGTON 20  
BY: DIRECTOR, CONTRACTING SERVICES

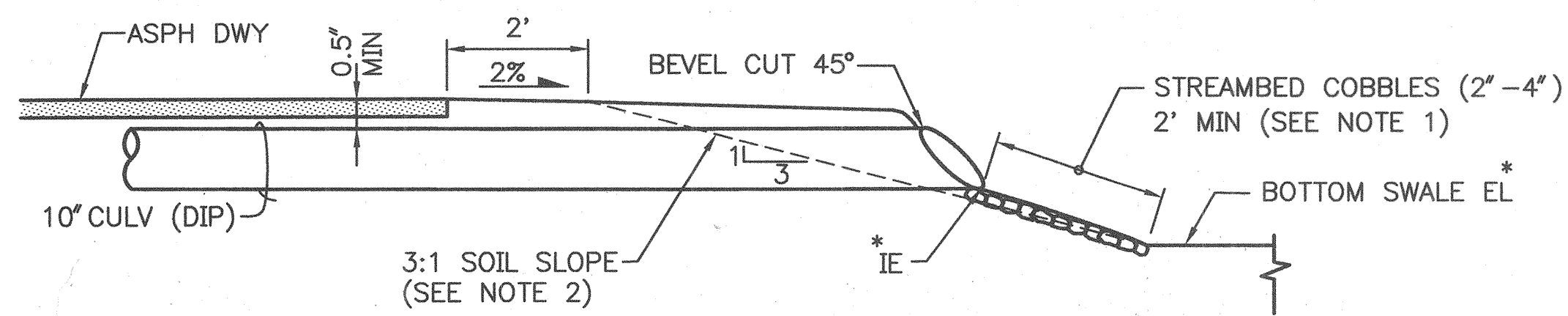
NAME OR INITIALS AND DATE  
DESIGNED: *RE* 5/22/03  
CHECKED: *MHL*  
DRAWN: *JCU*  
CHECKED: *LMJT*  
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



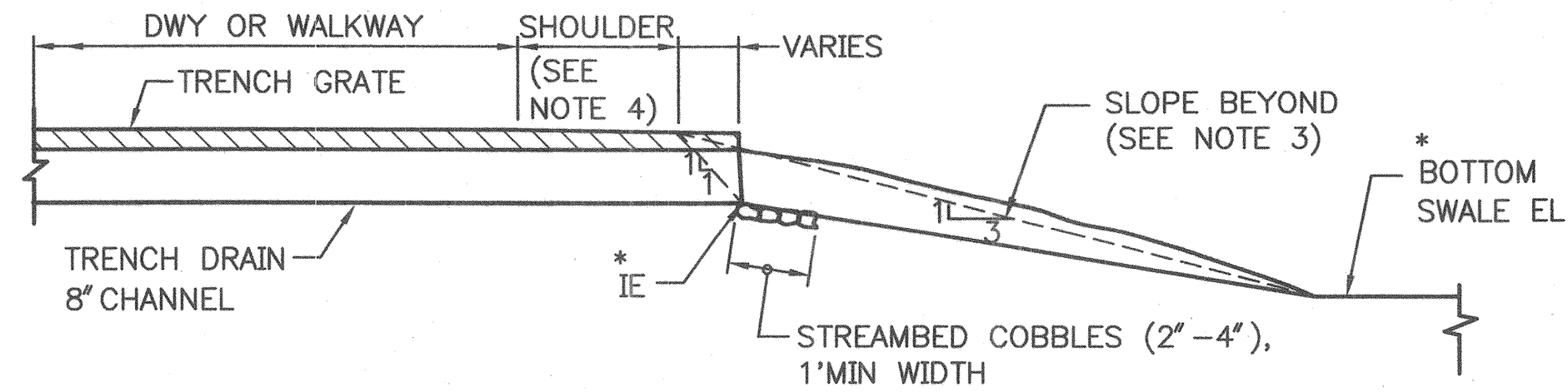
City of Seattle  
Chuck Clarke, Director  
ORDINANCE NO. APPROVED  
FUND: INSPECTOR'S BOOK  
SCALE: NOTED

PC C300329  
R/W  
CO C300329  
VAULT PLAN NO. 777-580  
SHEET 54 OF 59

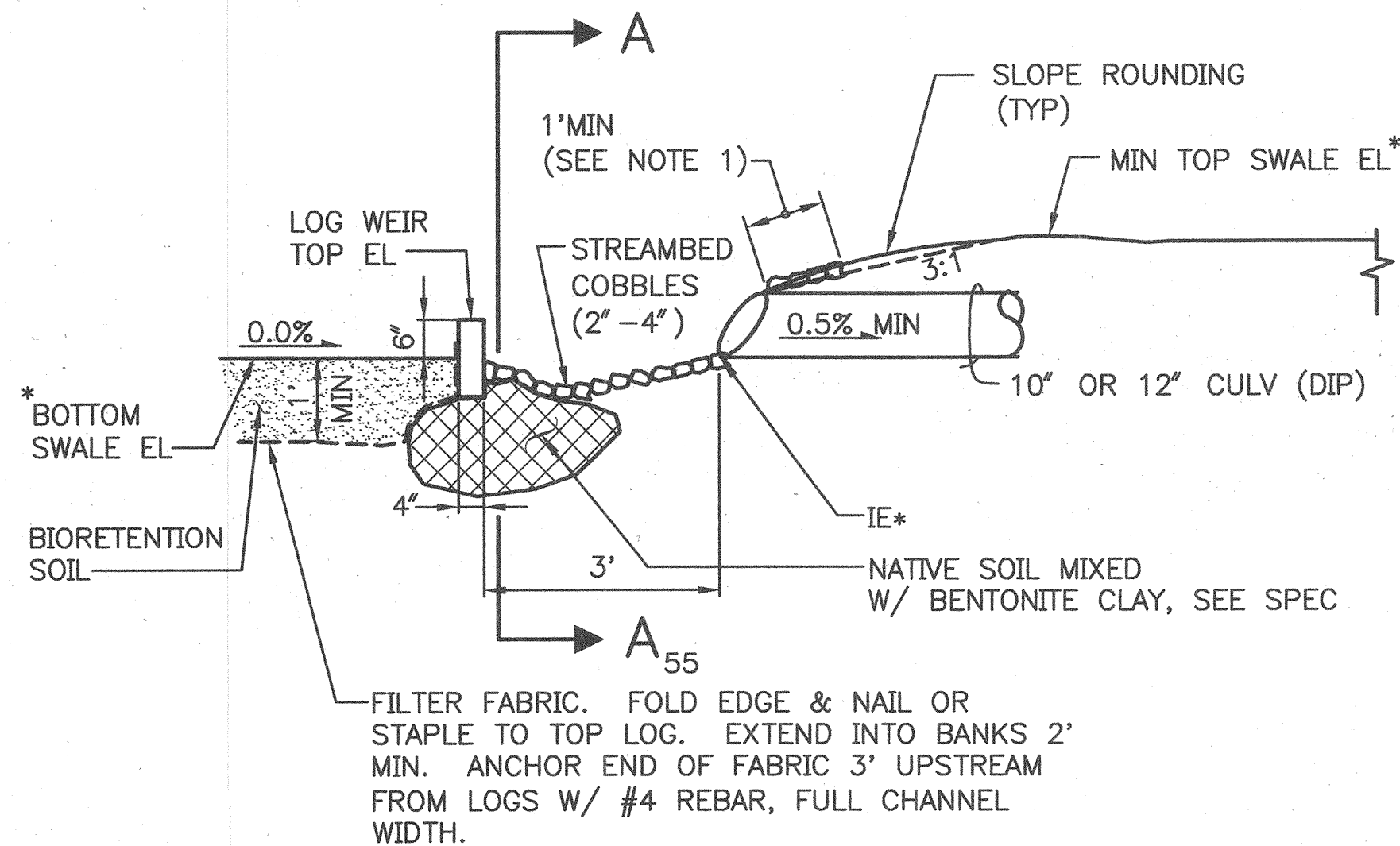




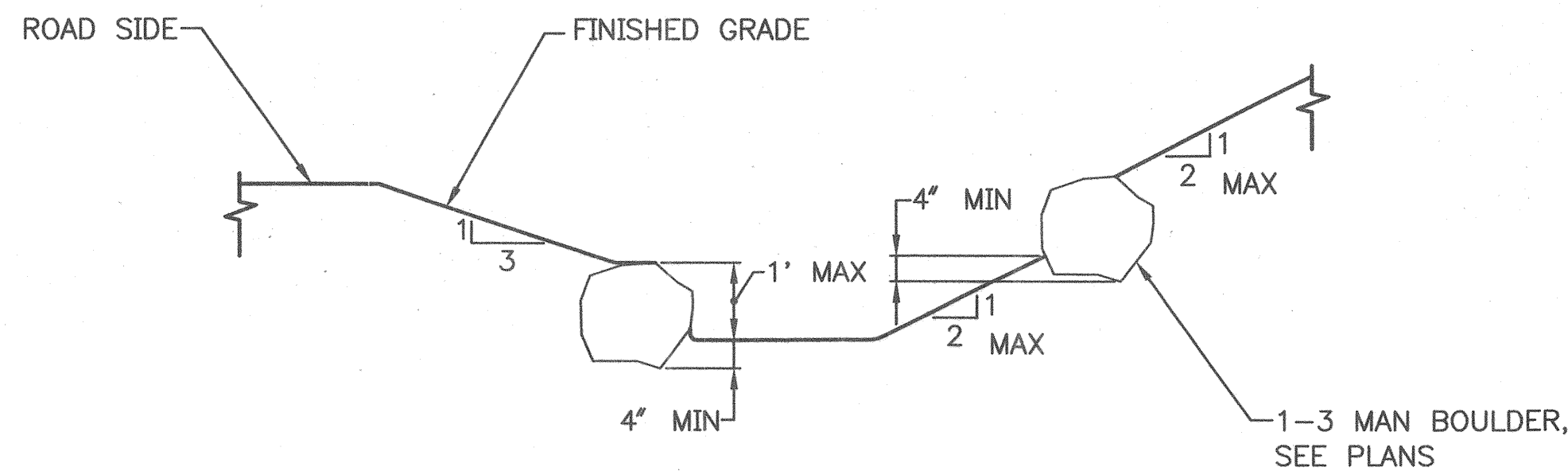
PIPE OUTLET 1  
SCALE: 1/2" = 1'-0"  
19,27,33,40



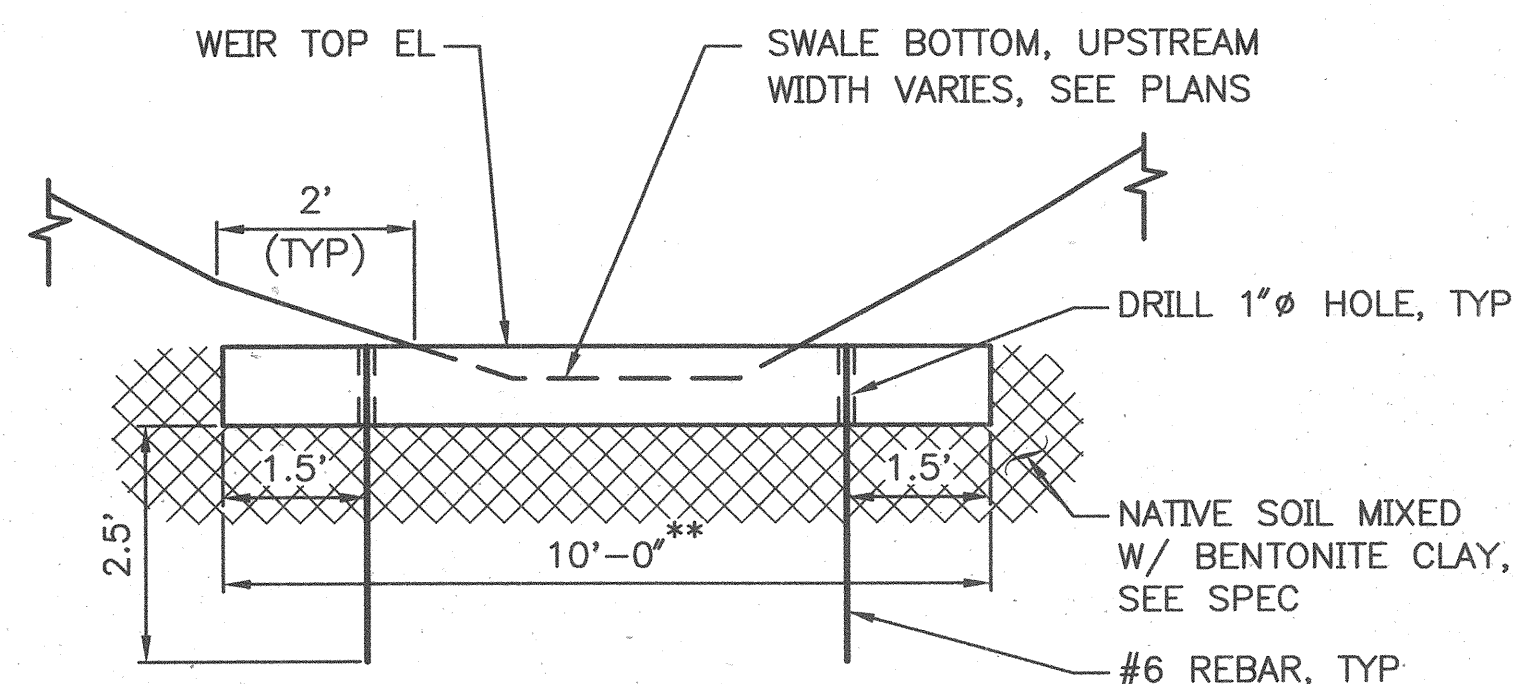
TRENCH OUTLET 2  
SCALE: 1/2" = 1'-0"  
19,27,33



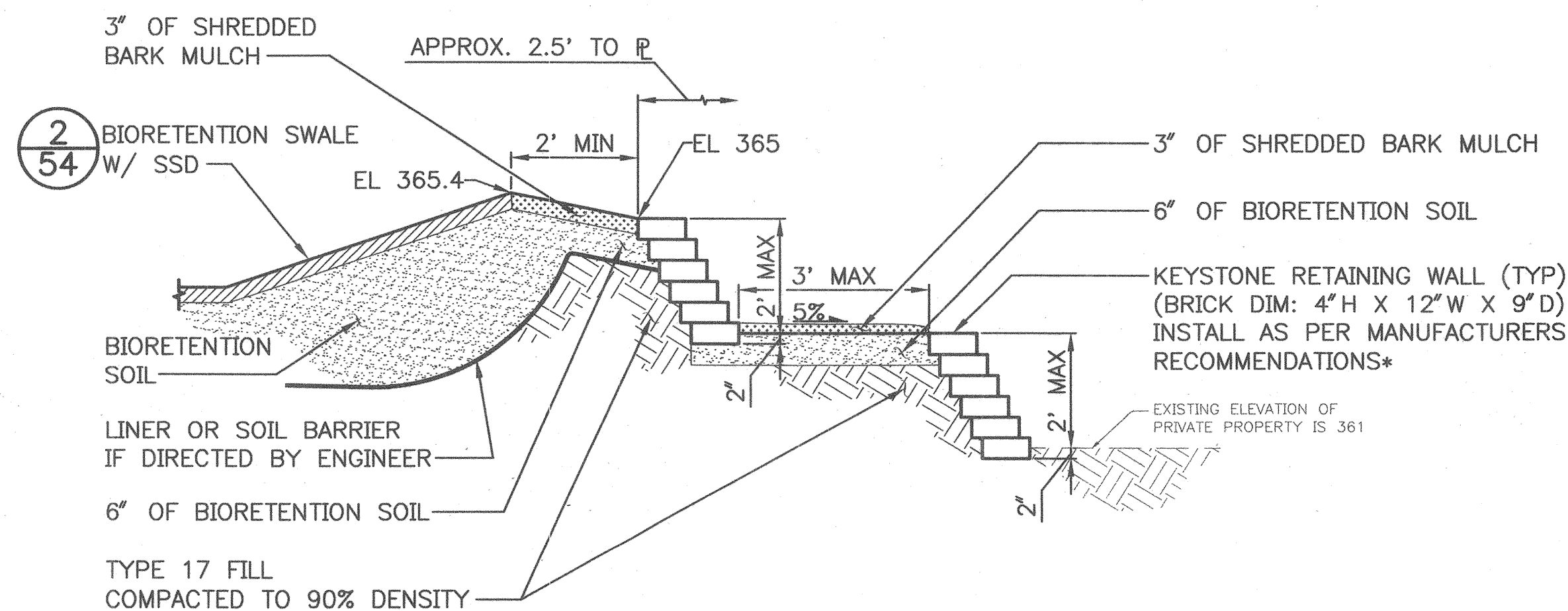
LOG WEIR 3  
N.T.S.  
19,33



X-MAN ROCK PLACEMENT 4  
SCALE: 1/2" = 1'-0"  
TYP



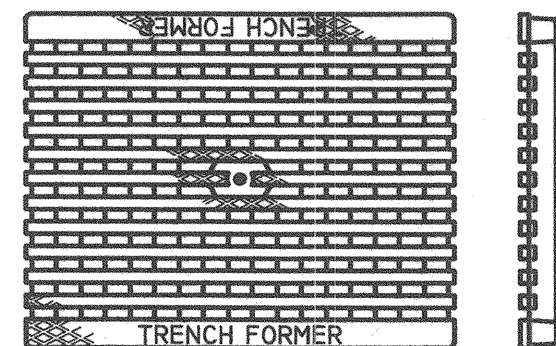
SECTION A-A 55  
SCALE: 1/2" = 1'-0"  
\*\* UNLESS OTHERWISE NOTED ON PLANS.



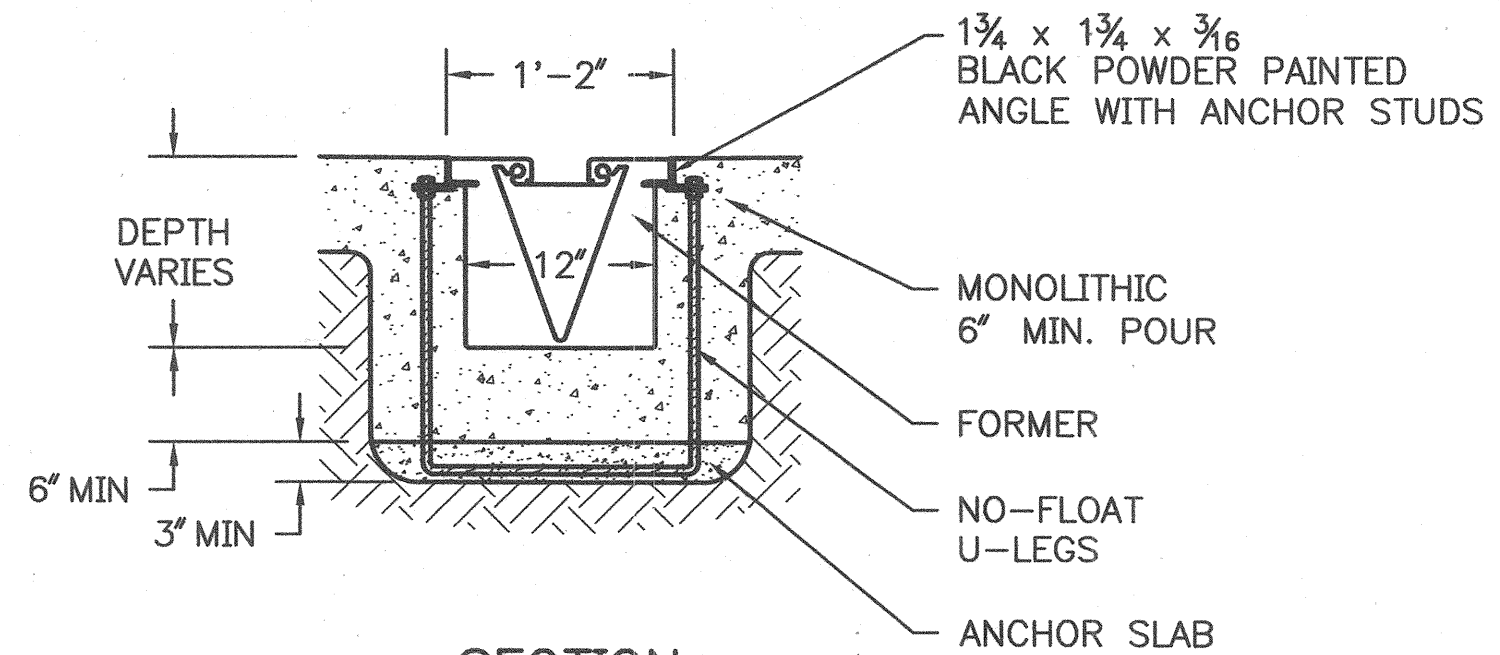
KEYSTONE RETAINING WALL, PROPERTY 10725 PALATINE 6  
SCALE: 1/2" = 1'-0"  
\* TYPE & COLOR OF BRICKS TO MATCH EXISTING ON PROPERTY

# NOTES:

- \* SEE PROFILE
- 1. STREAMBED COBBLES SHALL BE PLACED SUCH THAT IT ARMORS A 1-FOOT MINIMUM RADIUS, AS MEASURED FROM OUTSIDE PIPE DIAMETER, FROM BOTTOM 1/2 OF PIPE.
- 2. 3H:1V SLOPE BEYOND SHALL TRANSITION TO COVER CULVERT. BERM TO COVER CULVERT, 6" MIN.
- 3. 3H:1V SLOPE BEYOND SHALL TRANSITION TO TRENCH DRAIN SIDE WALLS. SIDE SLOPES SHALL NOT EXCEED 1:1.
- 4. DRIVEWAY SHOULDERS ARE 2-FEET. WALKWAY SHOULDERS ARE 1-FOOT.



## GRATE SURFACE AND SECTION



## SECTION

TRENCH DRAIN 5  
N.T.S.  
TYP

PART #	LOAD CLASS	AASHTO RATING	MATERIAL	OPEN AREA	LENGTH IN [M]	WEIGHT Lb [Kg]
1504.14	9.4	H-20	GR.30 C.I.	22%	18 [0.61]	50.9 [23.1]

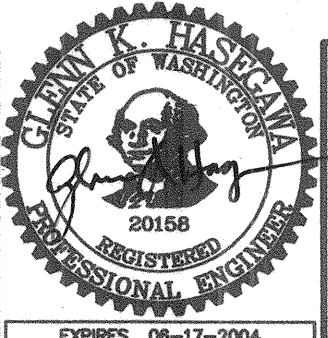
## SEA STREET DRAINAGE DETAILS

BROADVIEW GREEN GRID  
4TH AVE NW TO PHINNEY AVE N

APPROVED FOR ADVERTISING  
KENNETH J. NAKATSU  
DEPARTMENT OF EXECUTIVE ADMINISTRATION  
SEATTLE, WASHINGTON 20

BY: DIRECTOR, CONTRACTING SERVICES

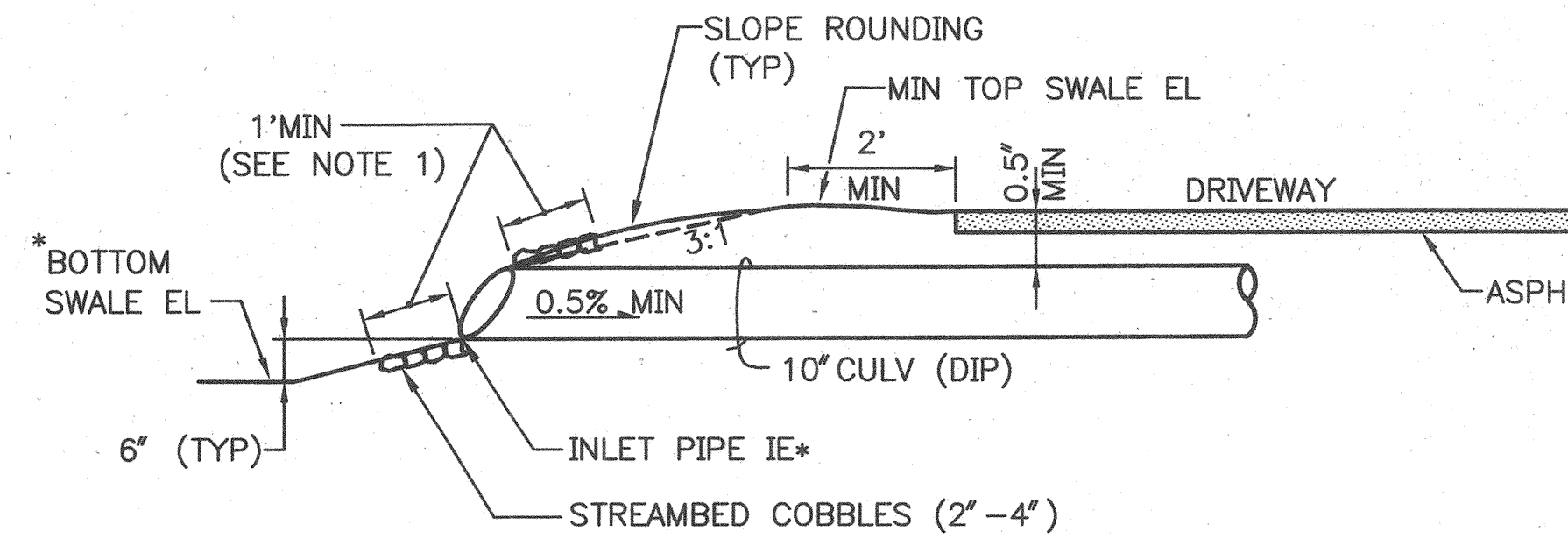
NAME OR INITIALS AND DATE  
DESIGNED: *SK* *PER* 5/22/03  
CHECKED: *mhl*  
DRAWN: *JCV*  
CHECKED: *LMJT*  
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



Seattle Public Utilities  
City of Seattle  
Chuck Clarke, Director  
ORDINANCE NO.  
FUND:  
SCALE: NOTED  
APPROVED  
INSPECTOR'S BOOK

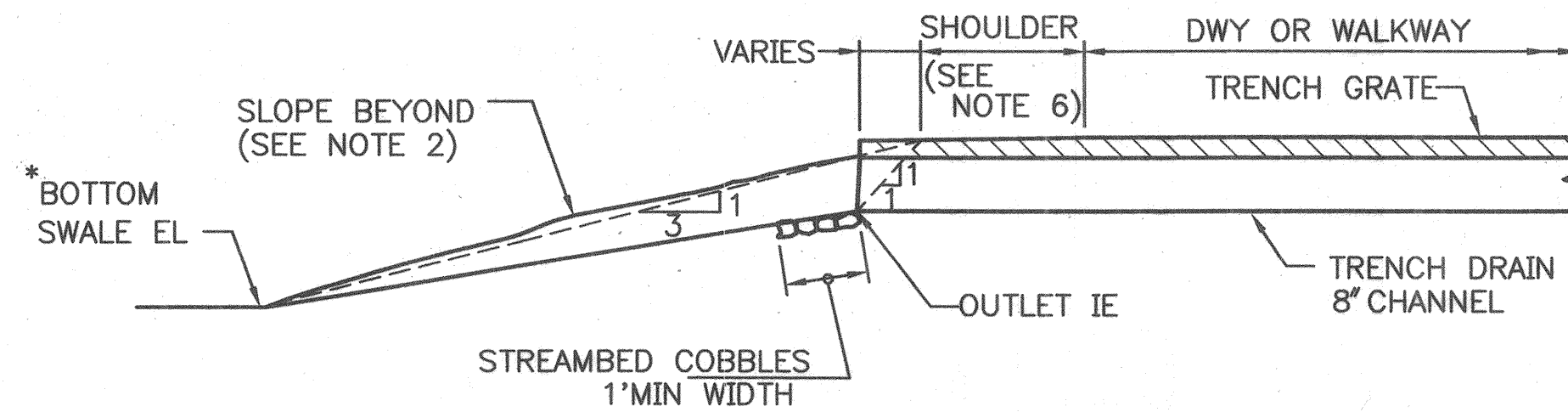
PC C300329  
R/W  
CO C300329  
VAULT PLAN NO.  
777-580  
SHEET 55 OF 59





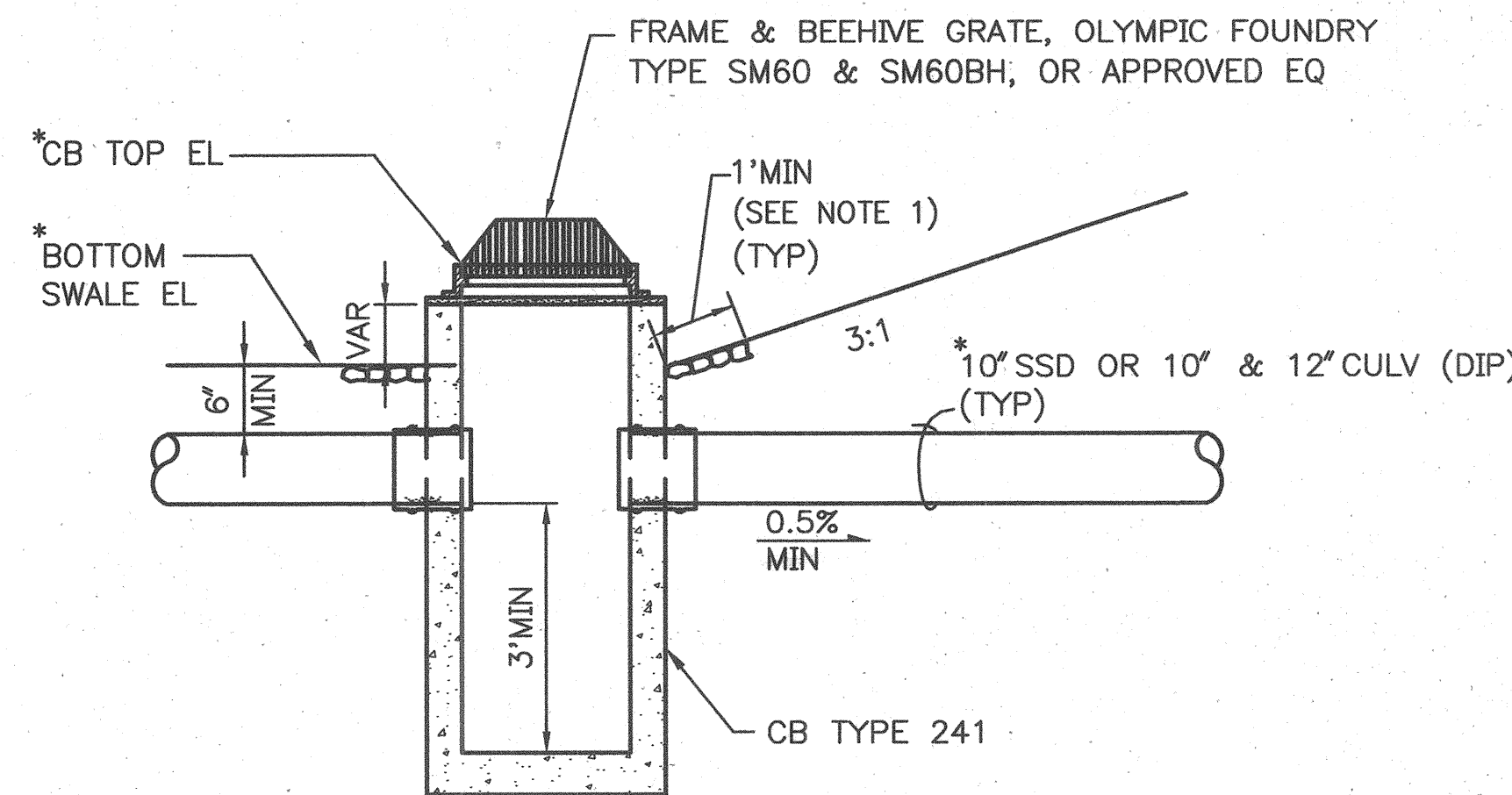
**PIPE INLET A**  
SCALE: 1/2" = 1'-0"  
FOR USE ON SWALES WITH  
0% SWALE BOTTOM AREA

1  
19,27,33,40



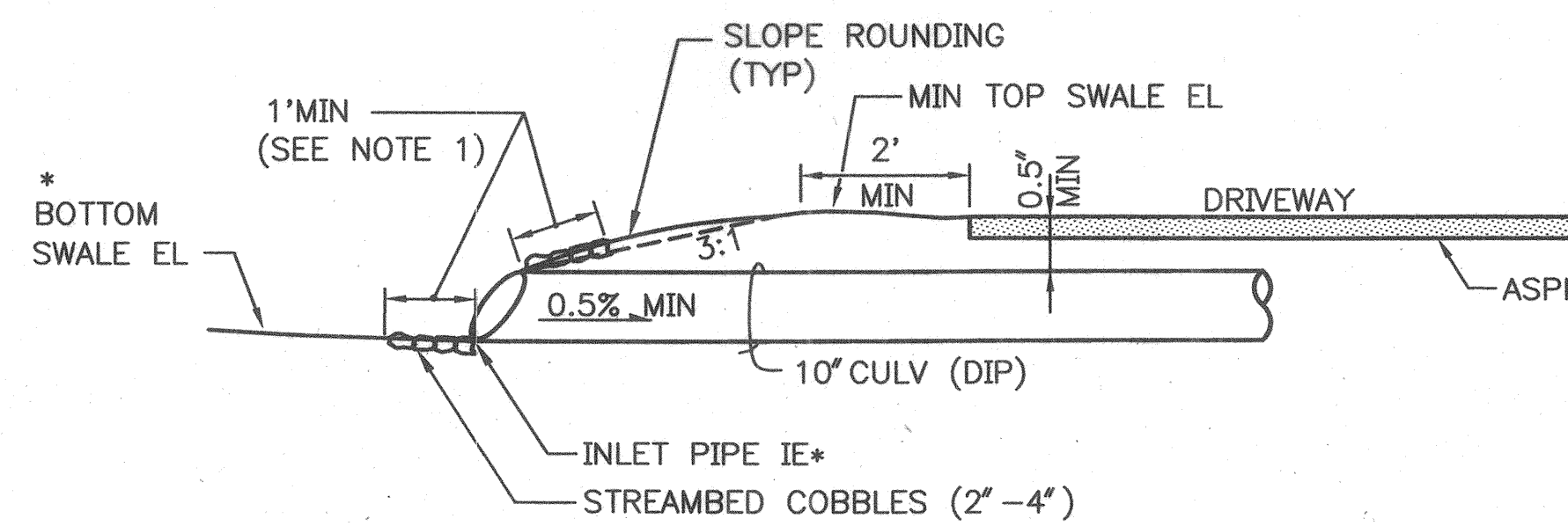
**TRENCH INLET**  
SCALE: 1/2" = 1'-0"

2  
19,27,33



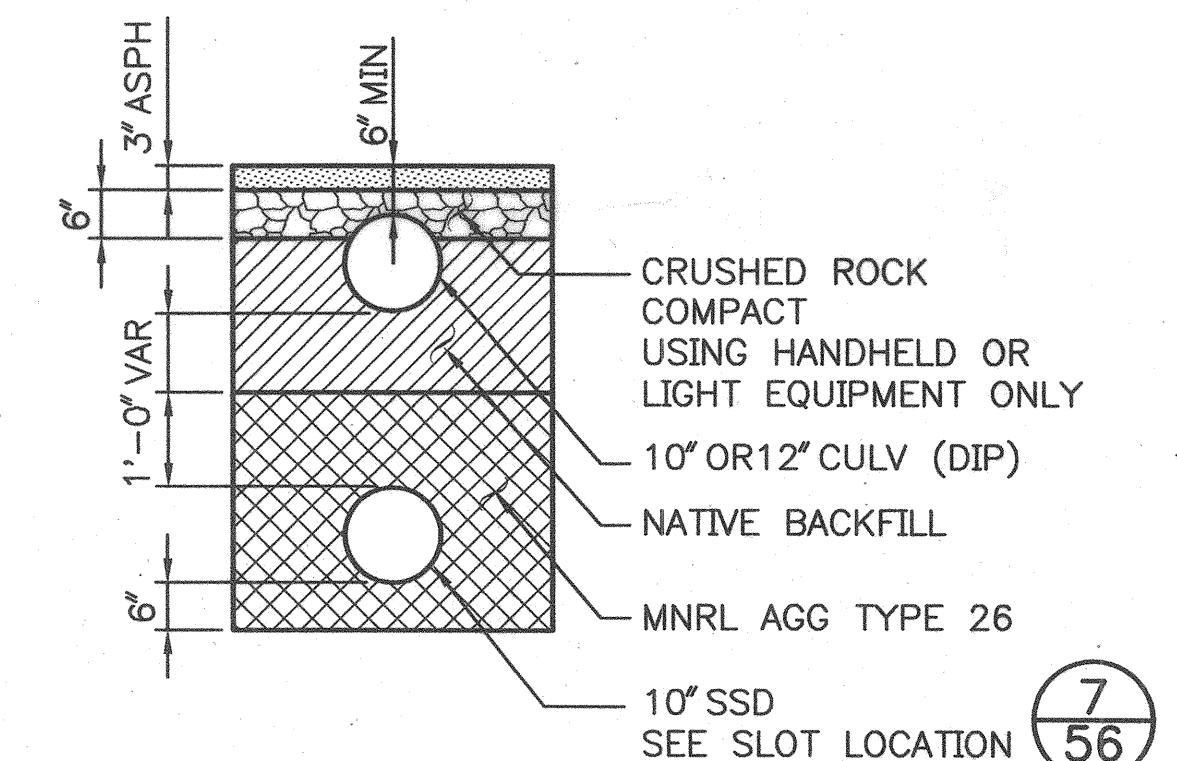
**CB TYPE 241, MOD 3**  
SCALE: 1/2" = 1'-0"

3  
27



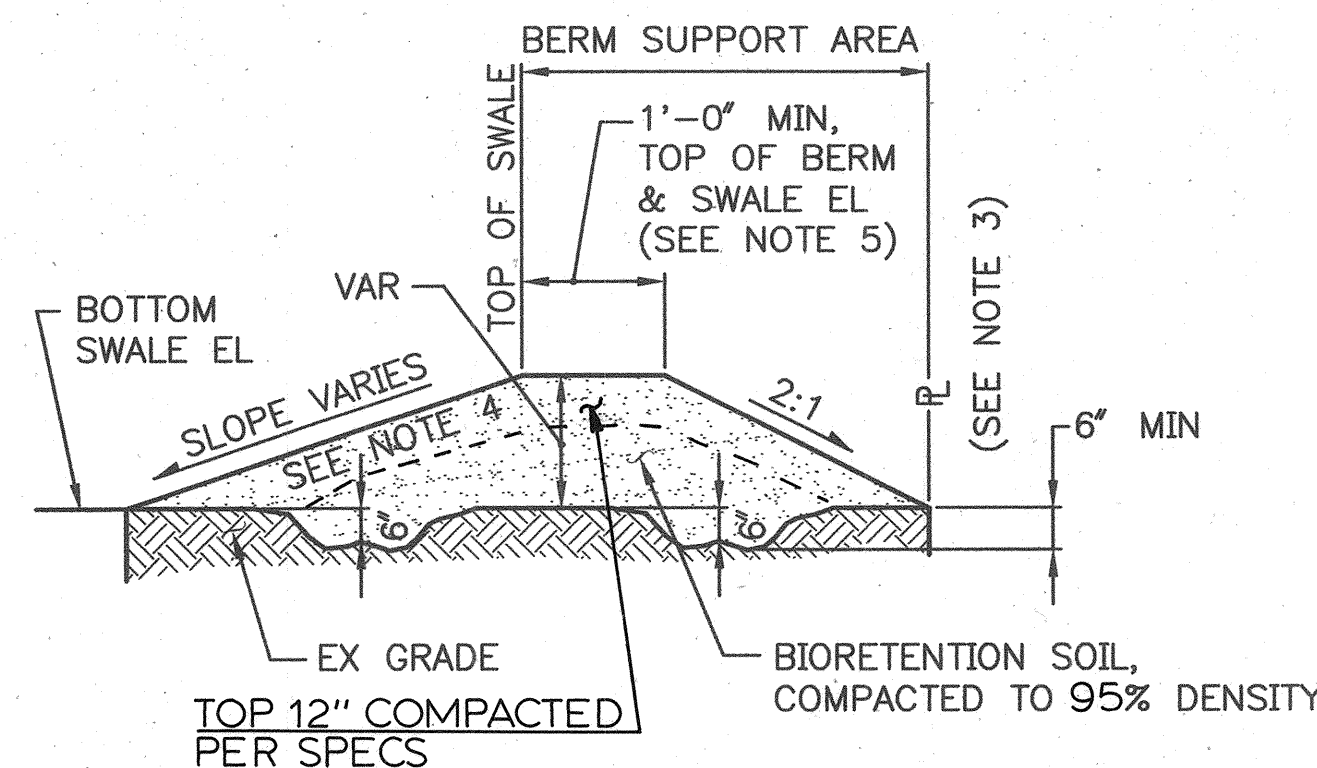
**PIPE INLET B**  
SCALE: 1/2" = 1'-0"  
FOR USE ON SWALES WITH  
0% SWALE BOTTOM AREA

4  
19,27,33,40



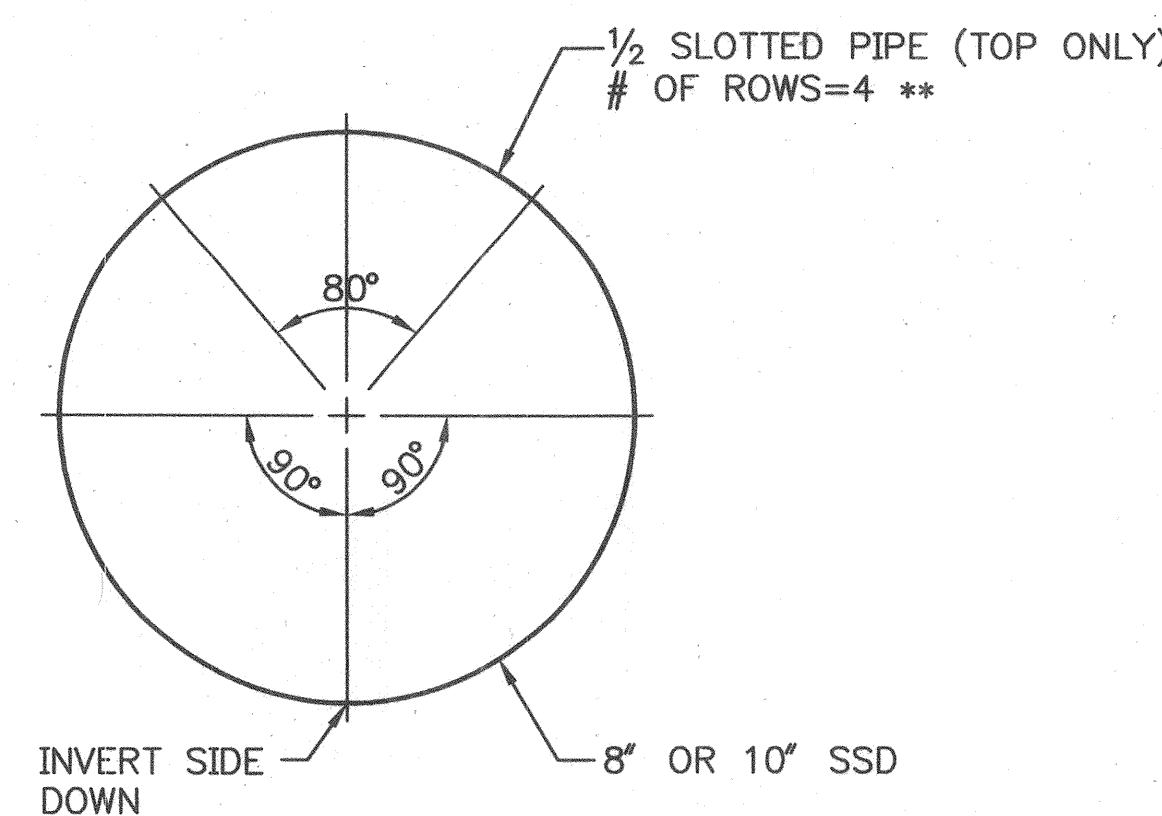
**SSD W/ CULV BEDDING**  
SCALE: 1/2" = 1'-0"

7  
56



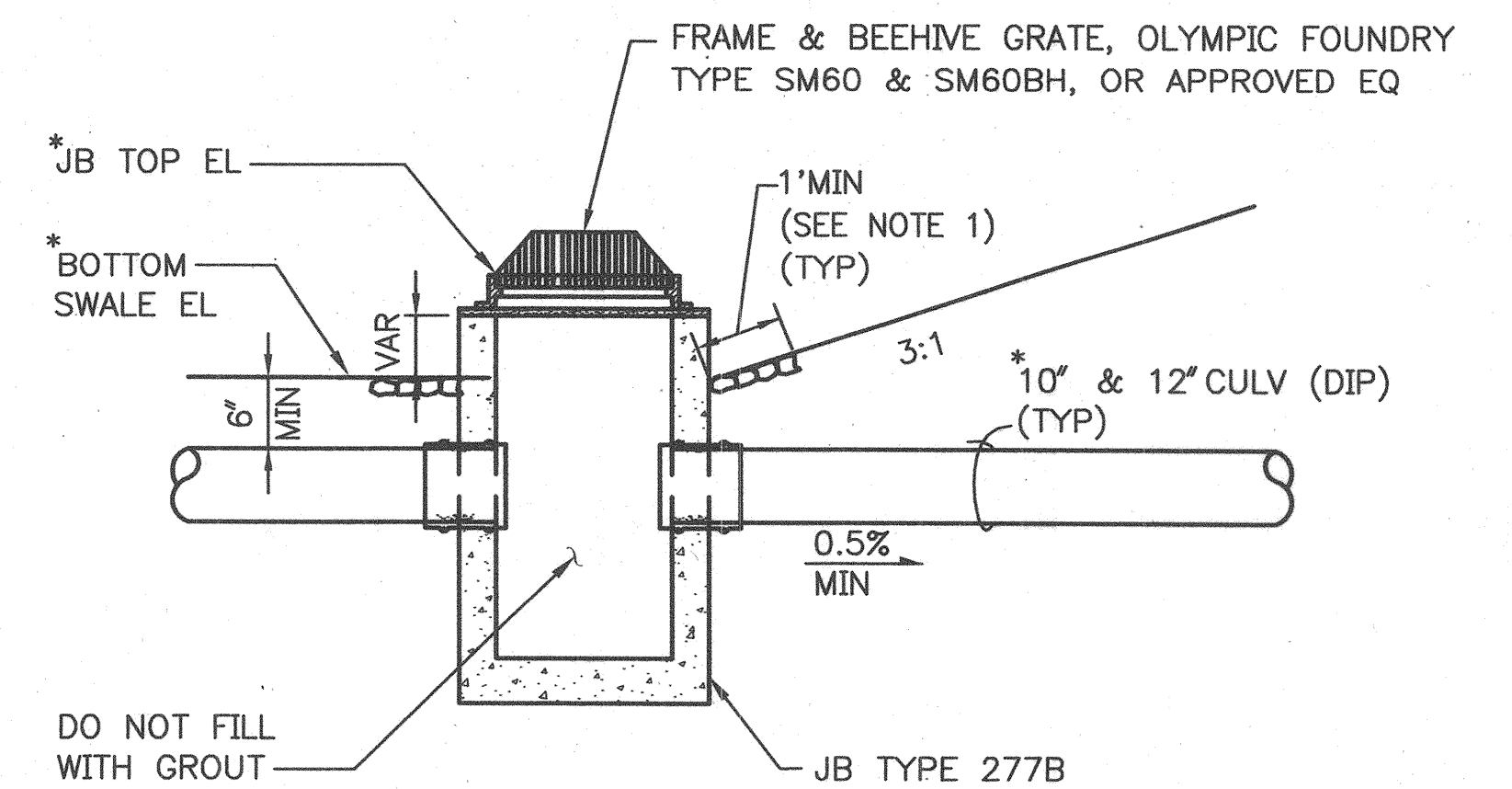
**EARTH BERM**  
SCALE: 1/2" = 1'-0"

6  
19,27,33,40



**SLOT LOCATION DETAIL**  
N.T.S.

7  
54



**JB TYPE 277B, MOD 8**  
SCALE: 1/2" = 1'-0"

8  
40

# **NOTES:**

- \* SEE PROFILE
- \*\* SEE GENERAL NOTES FOR SLOT SIZES
- 1. ROUNDED RIVER ROCK SHALL BE PLACED SUCH THAT IT ARMORS A 1-FOOT MINIMUM RADIUS AS MEASURED FROM OUTSIDE PIPE DIAMETER OR BEHIVE GRATE.
- 2. 3H:1V SLOPE BEYOND SHALL TRANSITION TO TRENCH DRAIN SIDE WALLS. EITHER SIDE SLOPES SHALL NOT EXCEED 1:1.
- 3. ALL BERM GRADING SHALL BE WITHIN STREET R/W UNLESS ADJUSTMENTS TO PRIVATE PROPERTY ARE IDENTIFIED ON PLAN.
- 4. 3:1 SLOPE UNLESS OTHERWISE INDICATED ON PLAN
- 5. MINIMUM TOP OF BERM WIDTH FOR 2ND AVE NW SHALL BE 6'.
- 6. DRIVEWAY SHOULDERS ARE 2-FOOT WIDE. WALKWAY SHOULDERS ARE 1-FOOT WIDE

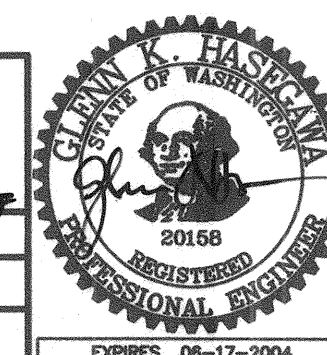
## **SEA STREET DRAINAGE DETAILS**

**BROADVIEW GREEN GRID**  
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PC C300329  
R/W  
CO C300329  
VAULT PLAN NO.  
777-580  
SHEET 56 OF 59

APPROVED FOR ADVERTISING  
KENNETH J. NAKATSU  
DEPARTMENT OF EXECUTIVE ADMINISTRATION  
SEATTLE, WASHINGTON 20  
BY: DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE  
DESIGNED SD RQ. 5/22/03  
CHECKED mhl  
DRAWN JCV  
CHECKED LMJT  
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



**Seattle Public Utilities**  
City of Seattle  
Chuck Clarke, Director  
ORDINANCE NO.  
FUND:  
SCALF: NOTED  
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INSPECTOR'S BOOK